

Interview Summary	Application No.	Applicant(s)	
	08/654,760	VORA, MADHUKAR B.	
	Examiner	Art Unit	
	Sara W. Crane	2811	

All participants (applicant, applicant's representative, PTO personnel):

(1) Sara W. Crane. (3) Mr. Ashok Kapoor.

(2) Mr. Ron Fish. (4) _____

Date of Interview: 06 December 2002 .

Type: a) ☐ Telephonic b) ☐ Video Conference
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____ .

Claim(s) discussed: pending claims as in the attached amendment .

Identification of prior art discussed: of record, in particular Yoshida et al. and Otani et al. .

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

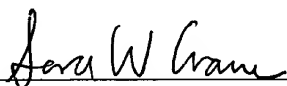
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: We discussed Applicant's analysis of impossibility of making the Yoshida structure. The analysis is presented in the Declaration of Ashok Kapoor, and in the figures included with this interview summary form. Also, the examiner asks for some written arguments as to why the pending claims would distinguish over Otani figure 33 .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☒ It is not necessary for applicant to provide a separate record of the substance of the interview(if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


Examiner's signature, if required

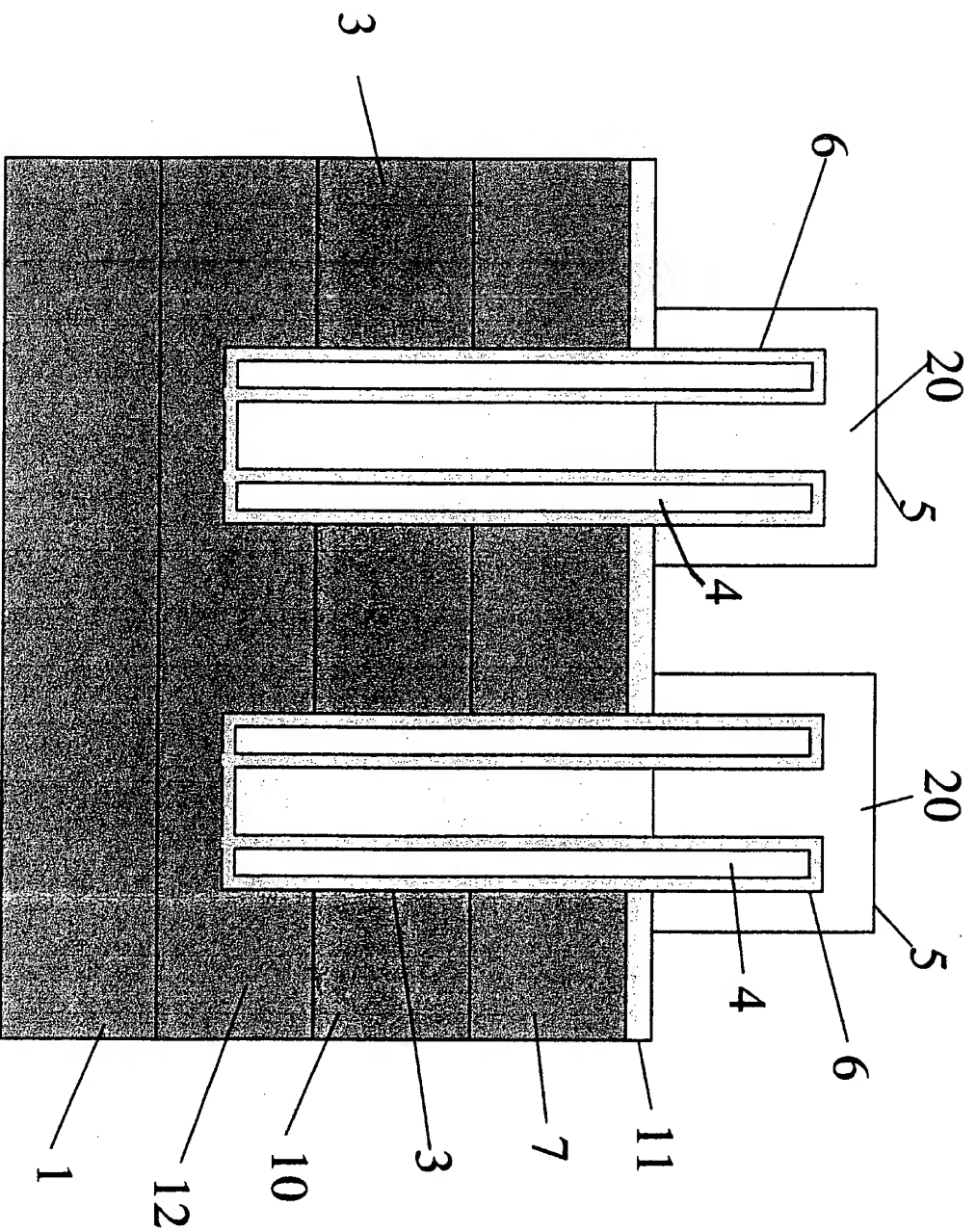


FIG. 3

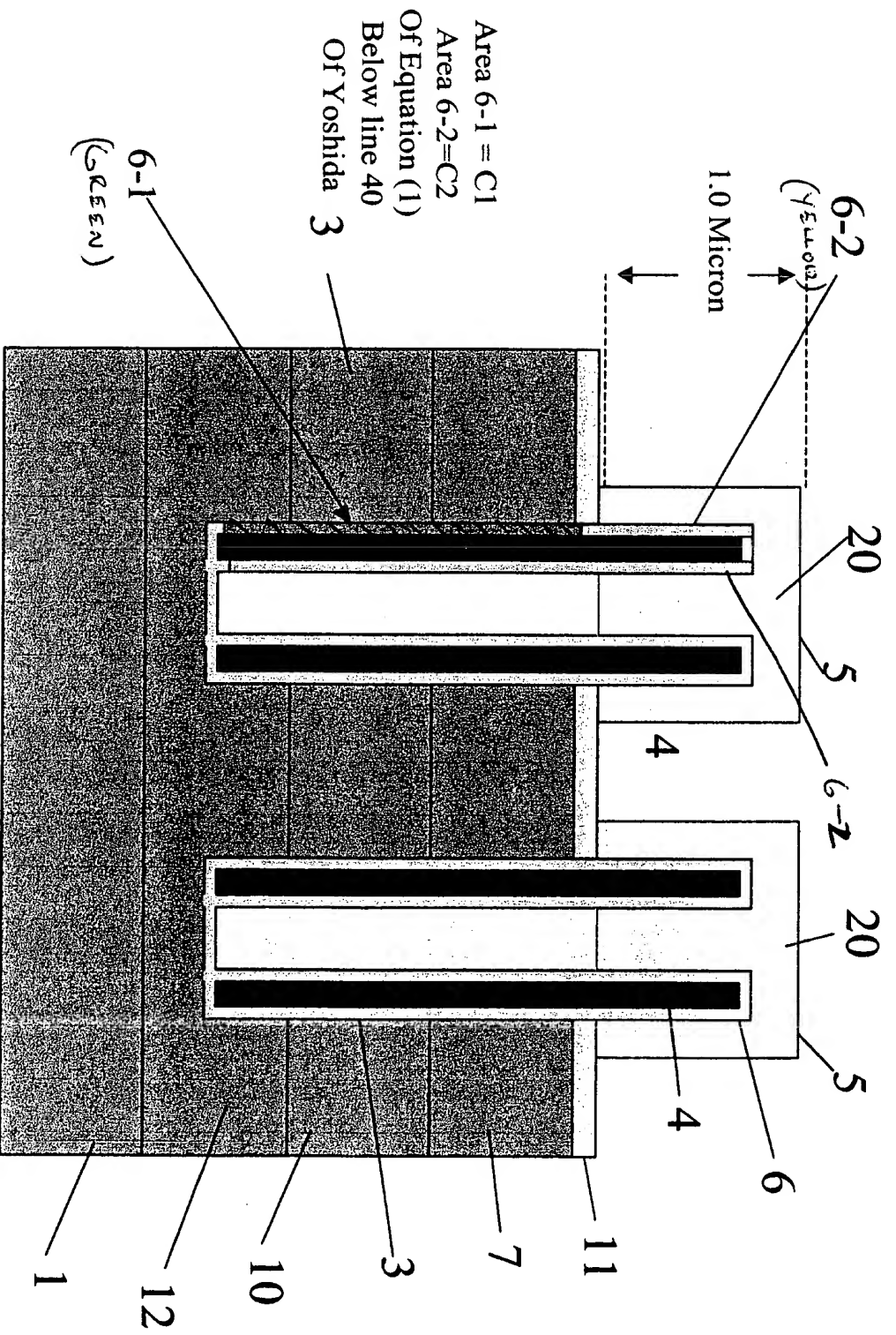
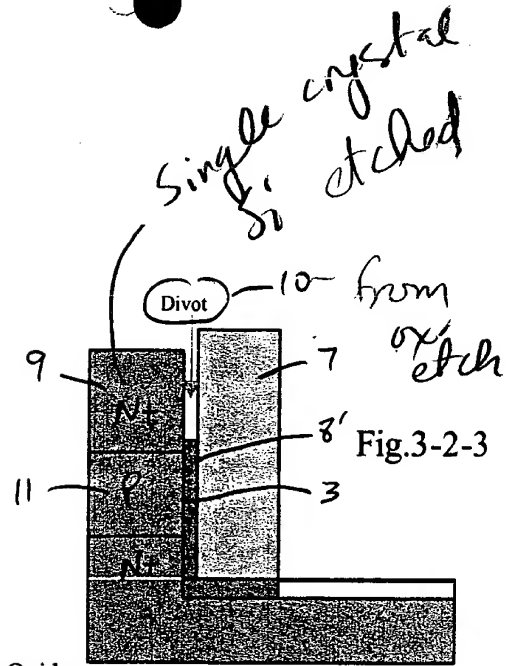
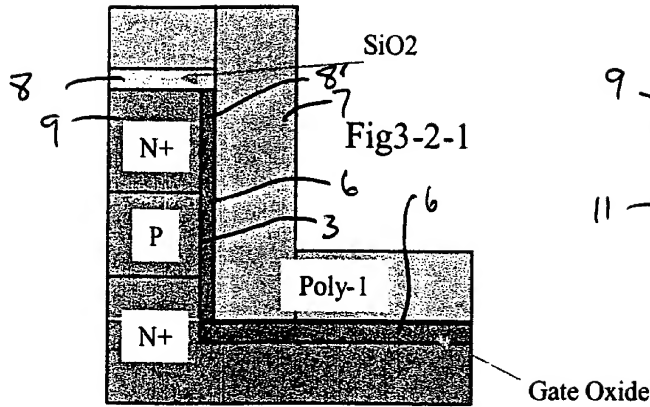
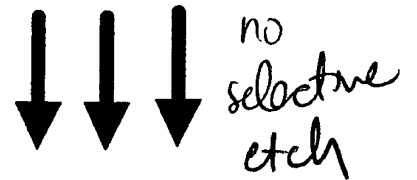


FIG. 3-2

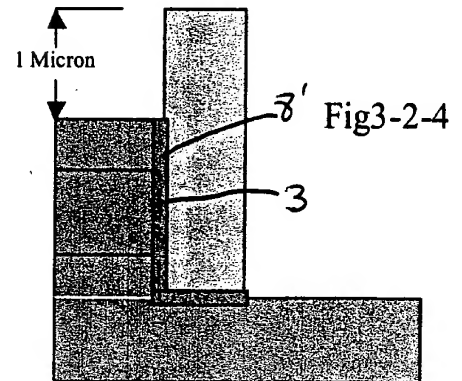
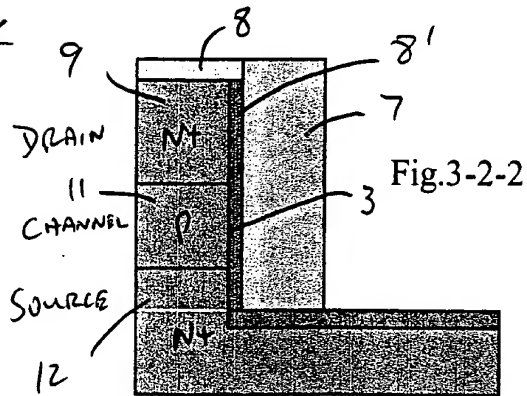
Approach 1



Not Possible



anisotropic etch back



Approach 2

from etch of 13

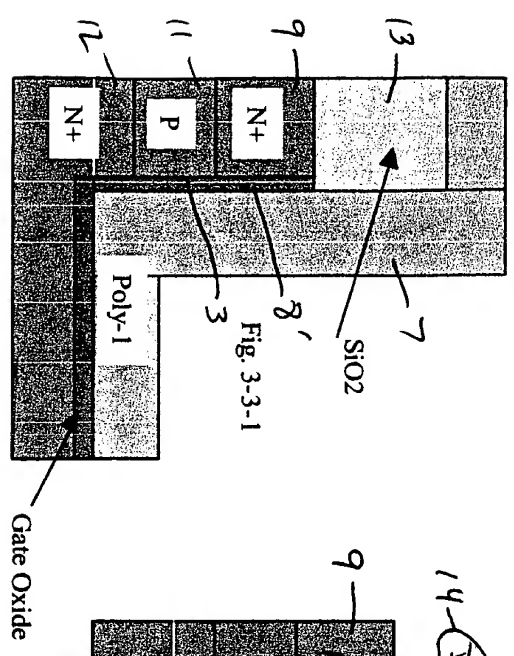


Fig. 3-3-1

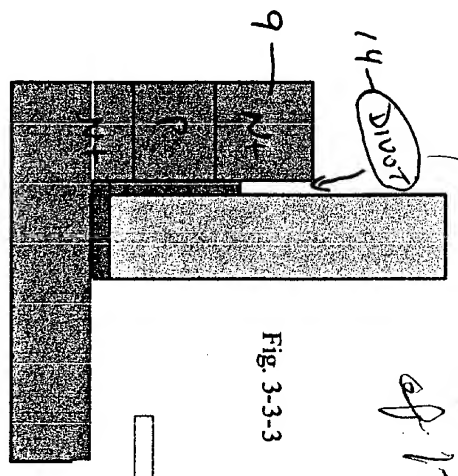


Fig. 3-3-3

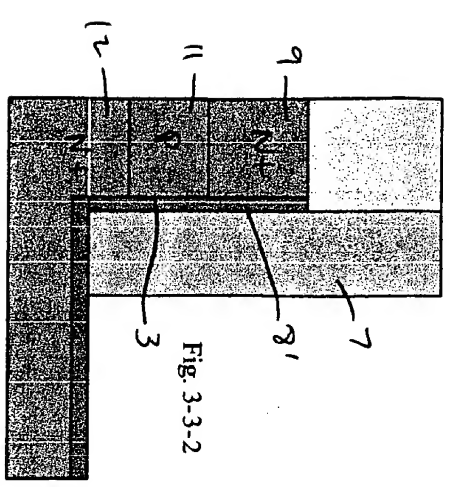
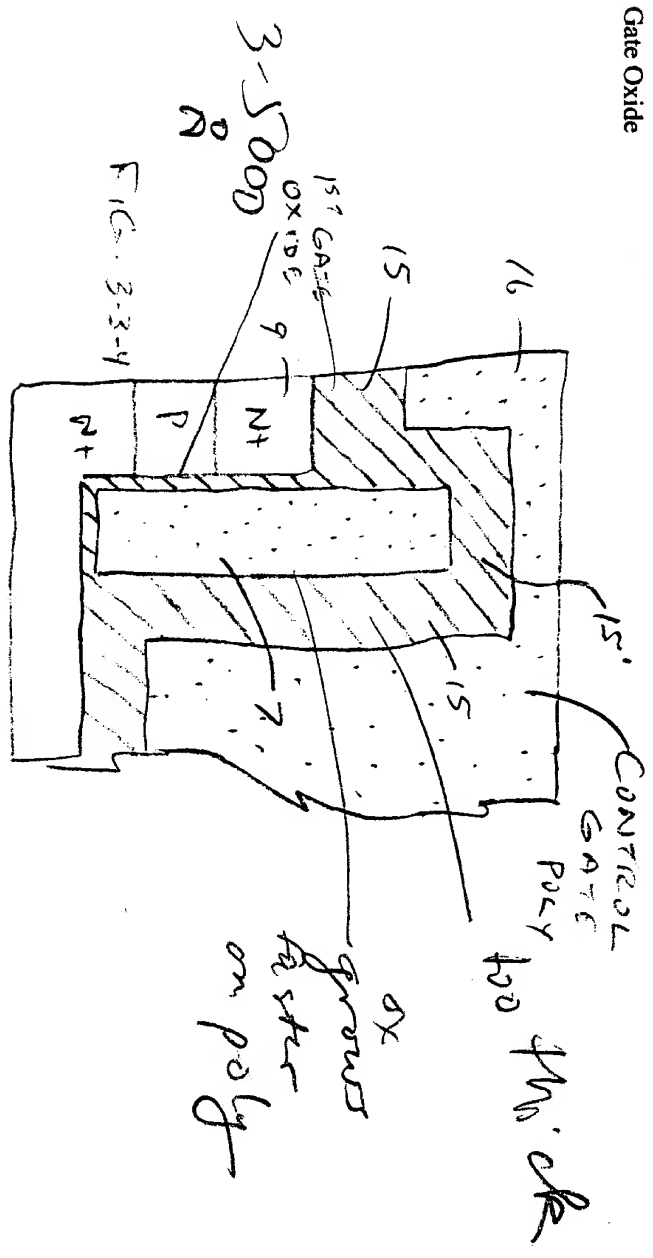
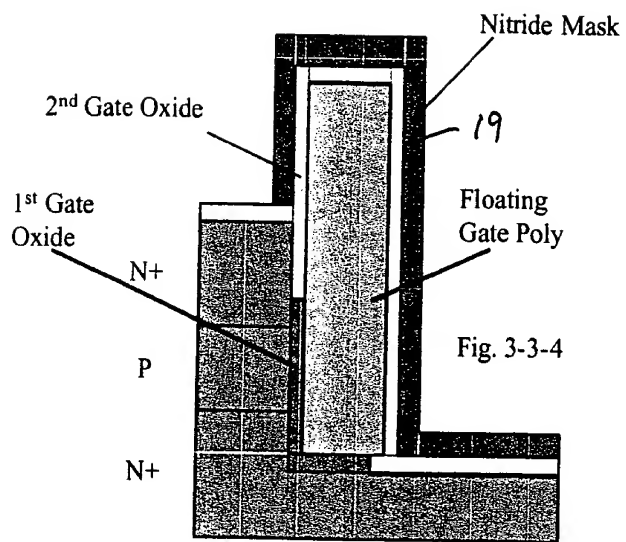
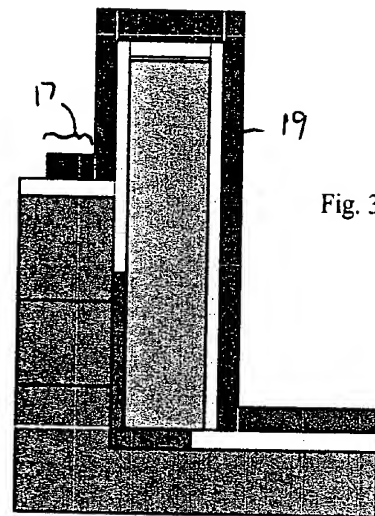


Fig. 3-3-2



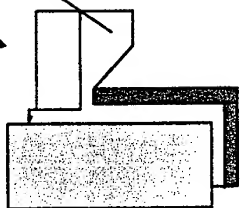


EXACT ALIGNMENT

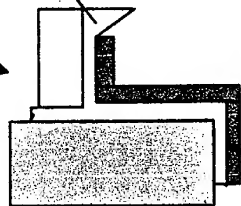


TYPICAL
MISALIGNMENT

Actual Structure

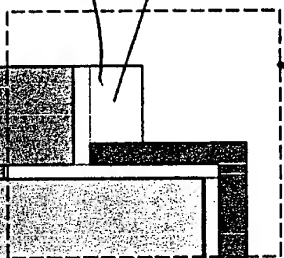


Actual Structure



Thermally Grown
Field Oxide

15



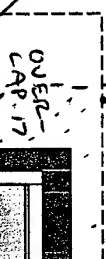
19

Thermally Grown
Field Oxide

Fig. 3-3-6

9

15"

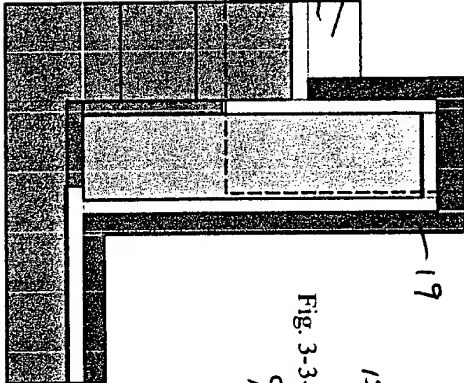


19

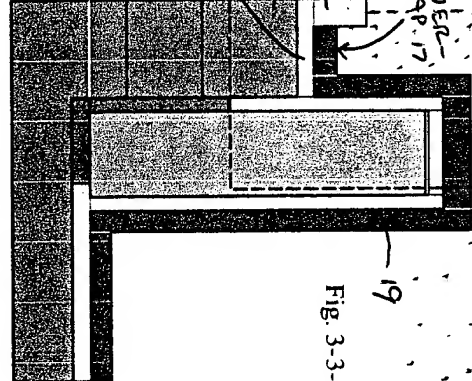
Fig. 3-3-7

CONTROL
GATE POLY
16

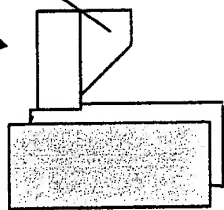
Ideal Structure



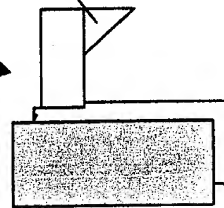
Ideal Structure



Actual Structure



Actual Structure



short

Thermally Grown
Field Oxide

Thermally Grown
Field Oxide

Fig.3-3-8

15
9

7

nitride

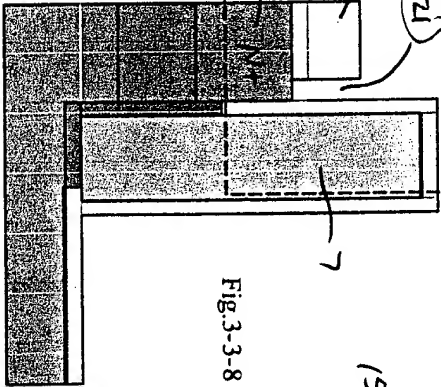
oxide

HF for will

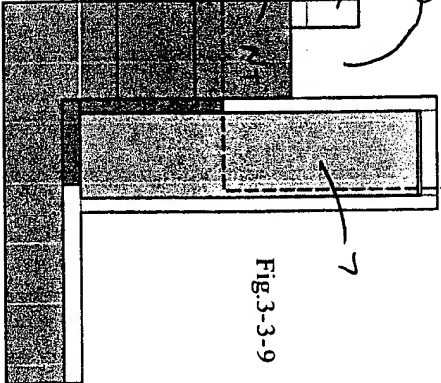
etch off

~1100 Å of
etch

Ideal Structure



Ideal Structure



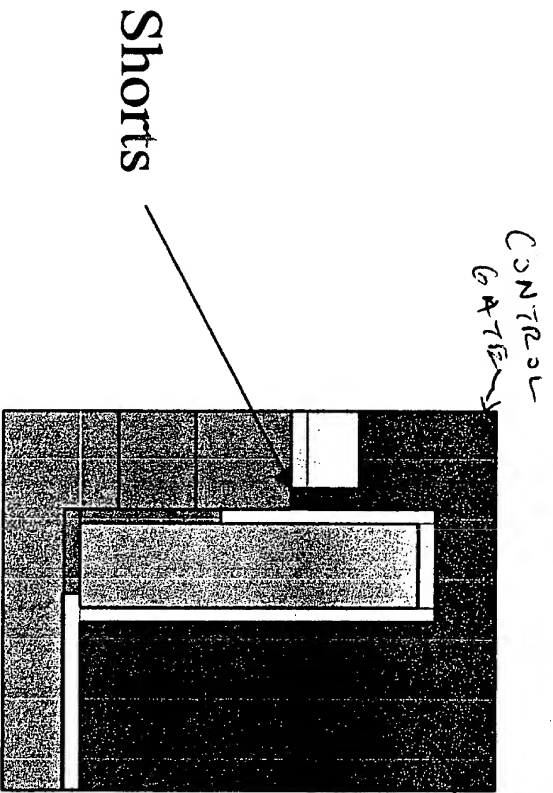


Fig. 3-3-10

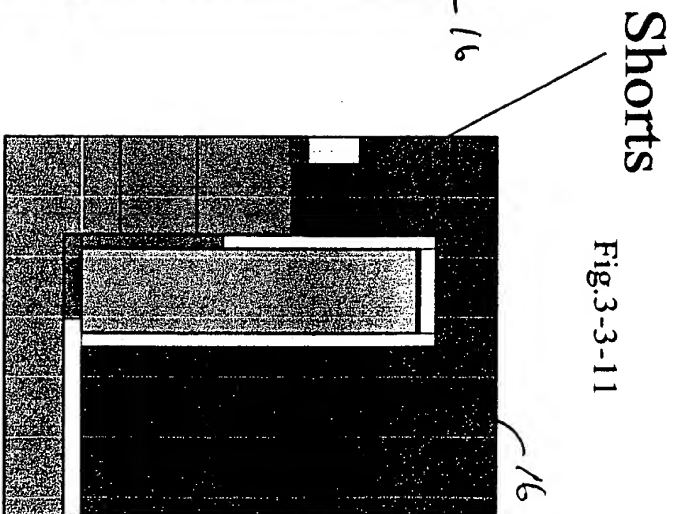


Fig. 3-3-11